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CONFIDENTIAL

20 January 1959

MEMORANDUM FOR THE RECORD

SUBJECT: CIA ELINT Training Program

1. The EAC subcommittee on ELINT training met at 1500, 19 January, in room 252 Barton Hall, at the office of [redacted], CIA ELINT Staff Officer and secretary of the training committee. Others present were [redacted]

25X1

25X1

2. The committee met for one hour and discussed:

✓ a. The reduction of the training requirements of the interested components into men, money, and material cost estimates.

✓ b. The composition of a draft memorandum to General Cabell requesting approval in principle of a coordinated ELINT training program. A copy of the initial draft prepared by [redacted] dated 16 January 1959, is attached. Mr. [redacted] will welcome any changes anyone wishes to make in the memorandum. I told the group OTR probably would want some change in the phraseology of paragraph 5 (a) of the draft to read more or less as follows:

*Para 5a*

The Office of Training (be directed to) manage the over-all Agency ELINT training program and coordinate the instruction between the using offices and training establishments, with funds, instructor personnel, technical guidance, support and equipment provided by the components concerned.

3. After the meeting, C/PPS suggested paragraph 5 (b) of the draft might be reworded more or less as follows:

Document No. 014

NO CHANGE in Class. ☐

☐ DECLASSIFIED

Class. CHANGED TO: TS S ☒ STAT

DDA Memo, 4 Apr 77

Auth: DDA REG. 77/1783

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*upto —*

It is requested that the Director approve \_\_\_\_\_ number of slots which, in the future, will be known as the JOT/ELINT Program. <sup>trainees</sup> That these slots be <sup>controlled by</sup> made available to OTR. <sup>within the training period as</sup> That OTR be instructed to conduct the necessary recruitment and hold the incumbents against these slots until apportioned to individual Agency components in a manner similar to the system presently employed in the Agency JOT Program.

4. The ELINT planning of OC is considerably more advanced than that of other components. Attached are briefs of eleven courses which they require in the ELINT field, supported by Tabs A to D, setting out equipment on hand and cost figures required by their training program. The courses on pages 1 - 4 and page 11 of the OC attachment are presently available. [redacted]

5. The next meeting of the EAC ELINT Agency Committee is to take place at 1400 on 27 January (Tuesday). [redacted] would like to submit the finished report of the ELINT subcommittee on training at that time. PPS/TR is invited to attend if we wish to do so.

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**DRAFT**  
CAK:sg  
16 Jan 59

MEMORANDUM FOR: Deputy Director of Central Intelligence  
SUBJECT : Agency ELINT Training Program

1. This memorandum recommends the establishment of an Agency ELINT Training Program. The Agency ELINT Advisory Committee concurs in the recommendations in paragraph 5 and submit them for your approval.

2. On 29 May 1954 the DCI approved the first Agency ELINT Program. Since that time the Agency ELINT program has grown in scope, has accepted additional responsibilities and has made a unique and major contribution to national intelligence. At present there are \_\_\_\_\_ Agency personnel directly involved in the ELINT program and the total Agency budget for ELINT is about \_\_\_\_\_.

3. It is the purpose of this memorandum to identify the urgent need for a formal ELINT training program, to outline what kind of training is required and to estimate what this training will cost.

Attached as Tab A is a statement of the ELINT training presently needed to prepare Agency personnel for assignments in the Agency ELINT program. Tab B summarizes the cost estimates and scope of the contemplated training program.

4. As you know, it is impossible to recruit personnel who already possess the technical knowledge and experience in the specialized field of ELINT to contribute to Agency operations. Since the Services' interest and philosophy in ELINT is quite different than the Agency's

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-2-

it is not possible to rely on Service training except for an occasional course. It has therefore been necessary to train within the Agency and this training has paralleled the development of ELINT in CIA i.e. an evolvement by chronological circumstances utilizing individual component capabilities rather than a detailed overall plan. It has become evident that Agency ELINT training, although agreed to be important, has not had the priority nor support needed to accomplish more than sporadic, hasty, on-the-job training. This is a proposal therefore, not to embark on a grandiose plan but to pull together all Agency ELINT training requirements and present capabilities to fulfill these requirements and organize them in such a way as to request only a minimum of additional training support. Much of the required equipment, space, instructors and students are already on hand. A detailed study of this problem has led to the following estimate of additional support needed. The Agency ELINT Committee concurs in these recommendations.

*Be specific*

5. It is recommended that the following actions be approved in order to provide for the establishment of an effective Agency ELINT Training Program.

*clarify  
privacy*

a/. The Office of Training be directed to organize and administer an Agency ELINT Training Program with technical support from operating components.

*avail for  
common of  
training*

b/. A complement of— *developmental* training slots be established within the Office of Training to be apportioned to individual components as required.

*Development slots?*

*when do  
start  
on Jan*

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-3-

a/. Funds in the amount of \$ \_\_\_\_\_ be provided to supplement funds already budgeted by each component for ELINT equipment and training costs. These additional funds to be allocated as follows:

O/C \_\_\_\_\_

OSI \_\_\_\_\_

DD/P \_\_\_\_\_

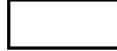
OTR \_\_\_\_\_

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S-E-C-R-E-T


Synoptic ELINT Orientation



25X1

Manpower Requirements

Instructor

OC individual. Presently available at 

25X1


Qualifications: Basic engineering background plus ELINT training and experience; also agency experience.

This course is presently available. It is estimated that the instructor will present this two day course perhaps once a month--total of approximately 8 weeks time requirement. Estimate 60 people per year may take course.

Trainee Slots

No new slots required.

Secretarial Support

Presently available at .

25X1

Budget Requirements

See Tab A.

Material Requirements

See Tabs B and C.

S-E-C-R-E-T

S-E-C-R-E-T

Page 2

ELINT Operator/Technician Course

25X1

Manpower Requirements

Instructor

OC individual. Presently at ☐.

Qualifications: Basic engineering background plus ELINT training and experience.

This course is presently available. It is estimated that the instructor will present this 10 week course 3 times per year--total of approximately 30 weeks time requirement. Estimate 18 people per year may take course.

Trainee Slots

No new slots required.

Secretarial Support

Presently available at ☐.

Budget Requirements

See Tab A.

Material Requirements

See Tabs B and C.

S-E-C-R-E-T

S-E-C-R-E-T

Page 3

Data Reduction Equipment Maintenance Briefing

25X1

Manpower Requirements

Instructor

OC individual. Presently at

Qualifications: Basic engineering background plus ELINT training and experience.

This course is presently available. It is estimated that the instructor will present this 2 week course 2 times per year--total of approximately 4 weeks time requirement. Estimate 10 people per year may take course.

Trainee Slots

No new slots required.

Secretarial Support

Presently available at

Budget Requirements

See Tab A.

Material Requirements

See Tabs B and C.

S-E-C-R-E-T



Advanced Test Equipment Operation and Maintenance

25X1

Manpower Requirements

Instructor

25X1

OC individual. Presently at .

Qualifications: Basic engineering background plus ELINT training and experience.

This course is presently available. It is estimated that the instructor will present this 2 week course 2 times per year--total of approximately 4 weeks time requirement. Estimate 10 people per year may take course.

Trainee Slots

No new slots required.

Secretarial Support

25X1

Presently available at .

Budget Requirements

See Tab A.

Material Requirements

See Tabs B and C.

S-E-C-R-E-T



25X1

4. Selective Briefings (given as required).

The above ELINT briefings of one to two hours duration (equipment demonstration is usually included) are given by qualified Office of Communications personnel as required.

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Course I  
Advanced Signal & Circuit Theory

25X1

Manpower RequirementsInstructor

Will be provided by the Office of Communications.

Should possess a sound technical or engineering background plus thorough familiarity with all phases of ELINT activity. Previous overseas ELINT experience is desirable; previous teaching experience would also be helpful.

Instructor will be required on a full-time basis as he will be teaching other courses & performing certain maintenance & administrative duties.

Tentative scheduling calls for a 4 week course; specifically, 4 hours per day for 8 weeks. The course would be presented 3 times per year for approximately 6 - 10 students or a total of 18 - 30 students per year.

Trainee Slots

No new slots will be required.

Secretarial Support

None is planned.

Budget Requirements

See Tab A.

Material Requirements

A classroom approximately 20' x 20' will be required.

See Tab D for listing of electronic equipment.

Course II  
Advanced ELINT Operations

25X1

Manpower Requirements

Instructor

Will be provided by the Office of Communications.

Should possess a sound technical or engineering background plus thorough familiarity with all phases of ELINT activity. Previous overseas ELINT experience is desirable; previous teaching experience would also be helpful.

Instructor will be required on a full-time basis as he will be teaching other courses and performing certain maintenance and administrative duties.

Tentative scheduling calls for a 4 week course; specifically, 3 hours per day for 12 weeks. The course would be presented 3 times per year for approximately 6 -10 students or a total of 18 - 30 students per year.

Trainee Slots

No new slots will be required.

Secretarial Support

None is planned.

Budget Requirements

See Tab A.

Material Requirements

An operations room approximately 20' x 40' will be required.

See Tab D for listing of electronic equipment.

S-E-C-R-E-T

S-E-C-R-E-T

Course III  
ELINT Equipment Maintenance

25X1

Manpower Requirements

Instructor

Will be provided by the Office of Communications.

Should possess a sound technical or engineering background plus thorough familiarity with all phases of ELINT activity. Previous overseas ELINT experience is desirable; previous teaching experience would also be helpful.

Instructor will be required on a full-time basis as he will be teaching other courses and performing certain maintenance and administrative duties.

Tentative scheduling calls for a 2 week course; specifically, 4 hours per day for 4 weeks. The course would be presented 3 times per year for approximately 6 - 10 students or a total of 18 - 30 students per year.

Trainee Slots

No new slots will be required.

Secretarial Support

None is planned.

Budget Requirements

See Tab A.

Material Requirements

A laboratory approximately 20' x 30' will be required. This will presumably be a portion of the operations room.

See Tab D for listing of electronic equipment.

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TAB A

PROPOSED TRAINING PROGRAM COSTS

Type of Instruction	Location	Estimated Cost of Instructors, Lecturers, Advisers.	Approx Value of Electronic Equipment Now Available For Training Program.	Estimated Cost of Additional Electronic Equipment Which Will Be Required.	Estimated Cost of Non-Electronic Equipment (Desks, Chairs, Safes, etc.)	Estimated Cost of Real Estate, Construction, Rental, ETC.	Estimated Cost For Personnel In Training.
		\$8,330. (1, OC, GS-12 instructor)	\$200,000.	\$23,000.			
		\$21,090. (3, OC, Instructors Av. grade GS-11)	\$132,563.	\$127,000.	\$10,000.	\$50,000.	
Seminars in Washington, utilizing foremost authorities in ELINT related fields. 6 men, 1 day each, per year, estimated at \$150.00 per day, plus travel and per diem costs of \$100 ea. - Total: \$250.00 per day.	Hqs.	\$1,500. (Cost per year)					
Junior Officer Training Program. Average of 2 men per year at the GS-7 level (\$4980. ea. per year plus travel and TDY costs of \$1000. ea. per year for on-the-job training in industrial plants)	Hqs. & possibly some time at external laboratories						\$12,000. (cost per year for 2 people)
External Training at colleges & universities. Estimates are based on a 2 year, full-time course, with 2 people receiving training every 3 years. (\$12,500.00 per person per year).	U.S. Colleges or Universities						\$16,666. (Cost per year on the basis of 2 people every 3 years).
It is proposed that a civilian with EE degree & academic background (college teaching experience) be hired permanently to act as advisor for all OC training. He would advise re [ ] training particularly.		\$5,810. (3rd step of GS-12)					
External on-the-job training in ELINT related projects at: 1) Industrial laboratories. 2) College & university laboratories. 3) U.S. Government laboratories. Estimate 4 people per year at average of GS-13 level for an average of 3 months each. Salary, per diem & travel for 1 man (GS-13) for 3 months estimated at approx. \$3,900. Total of \$15,600 for 4 people for 3 months each, per year.	Washington, D.C. & various other locations in the U.S.						\$15,600. (Cost per yr for 4 people spending 3 months each.

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PROPOSED TRAINING PROGRAM COSTS

Type of Instruction	Location	Estimated Cost of Instructors, Lecturers, Advisers.	Approx Value of Electronic Equipment Now Available For Training Program.	Estimated Cost of Additional Electronic Equipment Which Will Be Required.	Estimated Cost of Non-Electronic Equipment (Desks, Chairs, Safes, etc.)	Estimated Cost Of Real Estate, Construction, Rental, Etc.	Estimated Cost For Personnel In Training.
It is proposed to hire a Dr. [redacted] on a consultant basis for 1 yr from the [redacted] yr: \$20,000 (Salary: \$10,000; travel, including trips to [redacted] \$5,000; administrative expenses due [redacted])	Hqs. & other locations if required.	\$20,000. (Cost per year)					
External training on a course basis for scientific subjects such as physics, mathematics, electrical engineering, courses, etc. This training may include day or evening courses at colleges, universities, or technical schools. Also correspondence courses. Est. # of people per yr: 10. Est. cost per person: \$250.00.	Washington D. C.						\$2,500. (Cost per yr for 10 people each taking 1 course)
It is proposed to explore the possibility of purchasing the films used for the physics course on the TV program "Continental Classroom"	Hqs. & Field						
It is proposed to obtain information about the University of Chicago, Home Study Dept. courses in mathematics & similar subjects. These may be suitable for basic scientific training for certain personnel.	Hqs. & Field						
TOTALS		\$59,730.	\$332,563.	\$150,000.	\$10,000.	\$50,000.	\$46,766.

Total value of training equipment on hand \$332,563.  
New money required for all phases of proposed ELINT training 316,496.

GRAND TOTAL \$649,059.

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